

US PAT NO: 5,028,628 [IMAGE AVAILABLE] L5: 2 of 20  
DATE ISSUED: Jul. 2, 1991  
TITLE: Methods of treating pulmonary hypertension  
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APPL-NO: 07/421,453  
DATE FILED: Oct. 13, 1989  
ART-UNIT: 125  
PRIM-EXMR: Leonard Schenkman  
LEGAL-REP: Donald Brown, Lawrence A. Nielsen

5,028,628 [IMAGE AVAILABLE] 3 CLASSIFICATIONS L5: 2 of 20

1.	514/573	OR
2.	514/530	XR
3.	514/623	XR

US PAT NO: 5,028,628 [IMAGE AVAILABLE] L5: 2 of 20

ABSTRACT:  
The present invention is concerned with methods for the treatment and diagnosis of pulmonary hypertension which comprise the administration of an effective amount of a compound of formula (I) ##STR1## wherein X is hydrogen or methyl; Y is --O-- or --CH.sub.2 --; R is --C(R.sup.1)(R.sup.2)CH.sub.2 CH.sub.2 CH.sub.2 CH.sub.3 wherein R.sup.1 and R.sup.2, which may be the same or different, are selected from hydrogen and halogen; and the dotted line represents an optional double bond; and pharmaceutically acceptable salts and acid derivatives thereof. Medicaments and diagnostic aids for use in the methods of the invention are also within the scope of the invention.

US PAT NO: 4,472,428 L5: 14 of 20  
DATE ISSUED: Sep. 18, 1984  
TITLE: Halogenated prostacyclins pharmaceutical use thereof and hydroxy intermediates therefore  
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APPL-NO: 06/327,741  
DATE FILED: Dec. 4, 1981  
ART-UNIT: 121  
PRIM-EXMR: Henry R. Jiles  
ASST-EXMR: Bernard Dentz  
LEGAL-REP: Wenderoet, Lind & Ponack

4,472,428 5 CLASSIFICATIONS L5: 14 of 20

1.	514/469	OR
2.	549/214	XR
3.	549/305	XR
4.	549/414	XR
5.	549/465	XR

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ABSTRACT:  
Novel 5- or 7-monohalogenated or 5,7-dihalogenated .sup.6 -PGI.sub.1 and 5- or 7-monohalogenated or dihalogenated PGI.sub.2 (except 5-monofluorinated PGI.sub.2). The novel halogenated prostacyclins are useful for controlling vascular actions and also in organ transplantation, extra-corporeal circulation and the like. The present invention also provides processes for preparing the novel halogenated prostacyclins.

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(FILE 'USPAT' ENTERED AT 14:03:15 ON 25 JUL 91)  
L1 5398 S HYPERTENSION OR HIGH BLOOD PRESSURE  
L2 632 S BENZIDENE PROSTAGLANDIN? OR PROSTACYCLIN  
L3 140 S L1 AND L2  
L4 136 S PULMONARY HYPERTENSION  
L5 20 S L4 AND L2

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